

10 Nov 2003

22 JUL 2004

INTERNATIONAL SEARCH REPORT

PCT/IB 03/00610

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01Q13/00 H01P3/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q H01P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 831 583 A (LAGERSTEDT ANDERS ET AL) 3 November 1998 (1998-11-03) abstract	1-19
A	--- US 5 173 714 A (TSUKADA AKIRA ET AL) 22 December 1992 (1992-12-22) abstract	1-19
A	--- US 4 513 291 A (DRABOWITCH SERGE) 23 April 1985 (1985-04-23) abstract -----	1-19

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

*** Special categories of cited documents :**

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

15 May 2003

Date of mailing of the international search report

03.06.2003

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INTERNATIONAL SEARCH REPORT

patent family members

PCT/IB 03/00610

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5831583	A	03-11-1998	SE 510082 C2 CA 2177626 A1 EP 0775373 A1 JP 9505962 T SE 9303986 A WO 9515592 A1	19-04-1999 08-06-1995 28-05-1997 10-06-1997 31-05-1995 08-06-1995
US 5173714	A	22-12-1992	JP 2302104 A DE 4015765 A1 FR 2647269 A1 GB 2233502 A	14-12-1990 22-11-1990 23-11-1990 09-01-1991
US 4513291	A	23-04-1985	FR 2513022 A1 CA 1206605 A1 EP 0074311 A1	18-03-1983 24-06-1986 16-03-1983